

Document Number: 040-00071		Rev	Description	Date	ECO#
		1	SERVICE MANUAL	2/14/08	00239
Form Instructions					
Title	SERVICE MANUAL, REAR TIRE / WHEEL REPLACEMENT				
Operation Description	Sub Assembly				
Standards	Man Occup.	Machine Occup.	Cycle Time	Setup Time	Batch Qty
Equipment List	Equipment		Manufacturer	Qty	
	1- Wheel & Tire	T3 Motion	1		
	2- Torque wrench	Any	1		
	3- 7/16 inch Allen driver	Any	1		
	4- Moving dolly or other support	Any	1		
Reference Docs	Document #	Description	Document #	Description	
Related Files					
RESP ENGR	Mark Jones				
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Item#	Part #	Description	Qty
1	024-00035	Rear Wheel Assembly	1



Serious electrical shock can occur if precautions are not followed.



- **ALWAYS TURN OFF POWER BREAKER IN GLOVE BOX AND REMOVE POWER MODULES BEFORE PERFORMING ANY ELECTRICAL WORK.**



Power breaker in glove box



Power modules

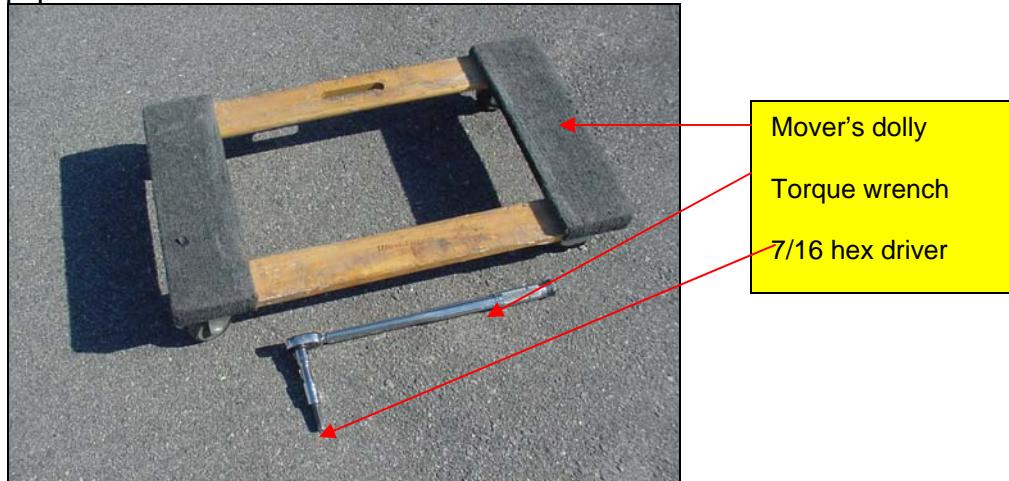
- **ALSO SET THE PARKING BRAKE PRIOR TO ANY WORK.**



Parking brake

WORK INSTRUCTIONS:

1.0 Recommended tools for replacing the rear tire & wheel assembly.
See equipment table above for the details.



1.1 Rear wheel & tire.



1.2 Note directional indicators on tire sidewalls. This tire is for the right side.



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2.0 Use the wrench to break the four lug bolts loose. Do Not Remove them yet, just loosen them.



3.0 Set the T3 unit on the dolly, or other support so the rear wheels are off the ground. It may be helpful to remove the batteries to lighten the vehicle.



4.0 Remove the loosened lugs by hand.



4.1 Slide the wheel off the unit.



5.0 Slide the new wheel & tire assembly on and line up the lug holes in the wheel with the threaded holes for the lug bolts in the hubs.



5.1 Hand tighten the lugs to seat the wheel against the hub.



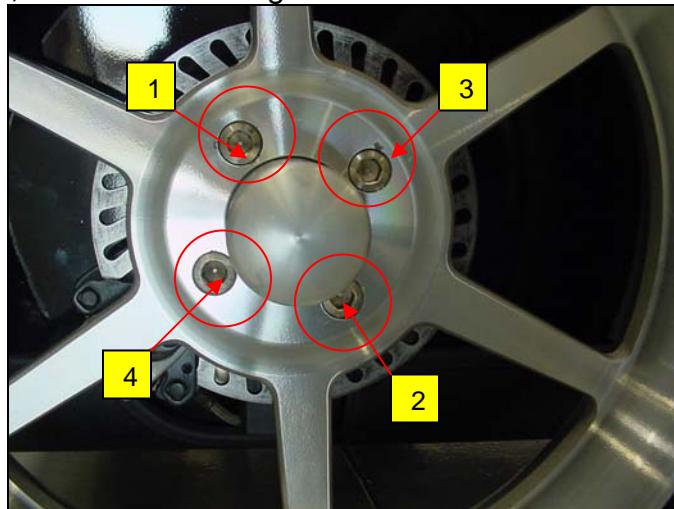
6.0 Remove the dolly or other support and set the T3 unit on the ground.



7.0 Torque the lugs to 40 foot pounds using the torque wrench. Follow the torque pattern in photo 7.1.



7.1 Torque pattern for even tightening. Double check the torque repeating the pattern, but do not over tighten.



For addition information, contact T3 Motion at: (714)-619-3600.